SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

WE INTRODUCE YOU TO THE **SEVENTH SECONDO** NEWSLETTER!

We are pleased to present you the seventh newsletter of the SECONDO Project. As technology is advancing fast, cybersecurity issues are arising every day making cyber insurance a necessity for every company. The SECONDO project aims to support professionals who seek cybersecurity investments, developed to support human decision making, and a complete well-founded security strategy. Moreover, SECONDO will provide services for smart security investments and cyber insurance pricing.

Despite the obstacles caused by the pandemic of COVID-19, the consortium continued the active work with virtual meetings.

Having reached the 30th month of the project, the consortium continues to work on all the critical objectives and tasks as well as on all of the core elements in order to produce solid outcomes which are leading towards the completion of the project.

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

SEVENTH SECONDO
NEWSLETTER!

One of the main tasks the active secondees are currently working on is the Task 3.3 "Big Data Collection and Processing" which will provide the intelligent Big Data Collection and Processing Module (BDCPM).

Moreover, SECONDO researchers are continuing to work on Task 5.2 "Cyber insurance policy ontology" by developing and designing an ontology that will provide a common vocabulary and language of the cyber insurance policies.

The ontology will be used in order to model the insurance policy of an underwriter empowering the SECONDO platform to automatically incorporate this policy. The provided ontology will serve as a reference insurance policy that facilitates both benchmarking and elimination of information asymmetry.

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
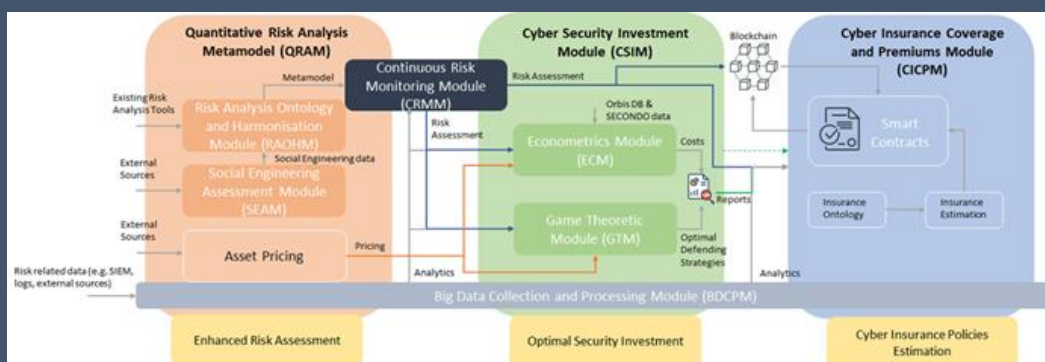email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

TASK 3.3 – "THE BDCPM Architecture"

The researchers have completed Task 3.3 "Big Data Collection and Processing" which provides the intelligent Big Data Collection and Processing Module (BDCPM) that acquires risk related data either from internal organizational sources or information that is found on external sources, like social media and the dark web. The collected data are processed and ingested into BDCPM in order to perform a sophisticated analysis on top of aggregated data whenever required during the project course.

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80, PC 18534, Piraeus, Greece

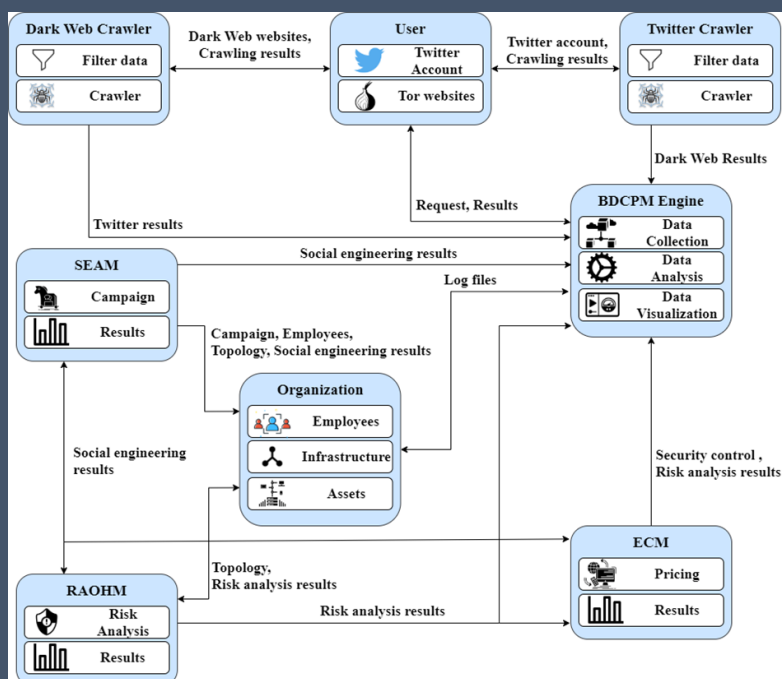Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

TASK 3.3 – Crawlers

The Big Data Collection and Processing Module (BDCPM) uses specialized crawlers to acquire risk-related data either from internal organization sources, e.g. network infrastructure, or external sources such as social media and other internet-based sources. The scope of the crawlers is to discover if a company's data related to its assets have been leaked on the internet. This is done by searching for specific keywords that are related to data assets in social media accounts and in the dark web. This will reveal if there is a data leakage and thus it will provide a hint on the security risks that the company under assessment is facing.

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

TASK 3.3 – Crawlers

In the context of Task 3.3 researchers have developed and implemented two crawlers in order to identify sensitive data on Twitter and the Dark Web. The crawlers are developed in Python programming language and run on an Ubuntu Server at the University of Piraeus datacenter.

ExcelReader: input.csv ×

All Column

ORCID	Company Name	Company Username	Twitter account to follow	keyword to search in tweets
LST	LSTech LTD.	@LSTechAnalytics	@H2020Secondo	aristeidis
LST	LSTech LTD.	@LSTechAnalytics	@H2020Secondo	christos
LST	LSTech LTD.	@LSTechAnalytics	@H2020Secondo	privacy
LST	LSTech LTD.	@LSTechAnalytics	@H2020Incognito	smart
LST	LSTech LTD.	@LSTechAnalytics	@H2020Incognito	cyber-privacy
LST	LSTech LTD.	@LSTechAnalytics	@H2020Incognito	internet
LST	LSTech LTD.	@LSTechAnalytics	@ENCASE_H2020	students
LST	LSTech LTD.	@LSTechAnalytics	@ENCASE_H2020	covid-19
LST	LSTech LTD.	@LSTechAnalytics	@ENCASE_H2020	2020

ExcelReader: input.csv ×

All Column

ORCID	Company Name	keyword to search in URLs
LST	LSTech	selling
LST	LSTech	bulletproof
LST	LSTech	3000
LST	LSTech	ids
LST	LSTech	quality
LST	LSTech	bitcoin
LST	LSTech	privacy
LST	LSTech	data
LST	LSTech	covid
LST	LSTech	2021
LST	LSTech	server

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
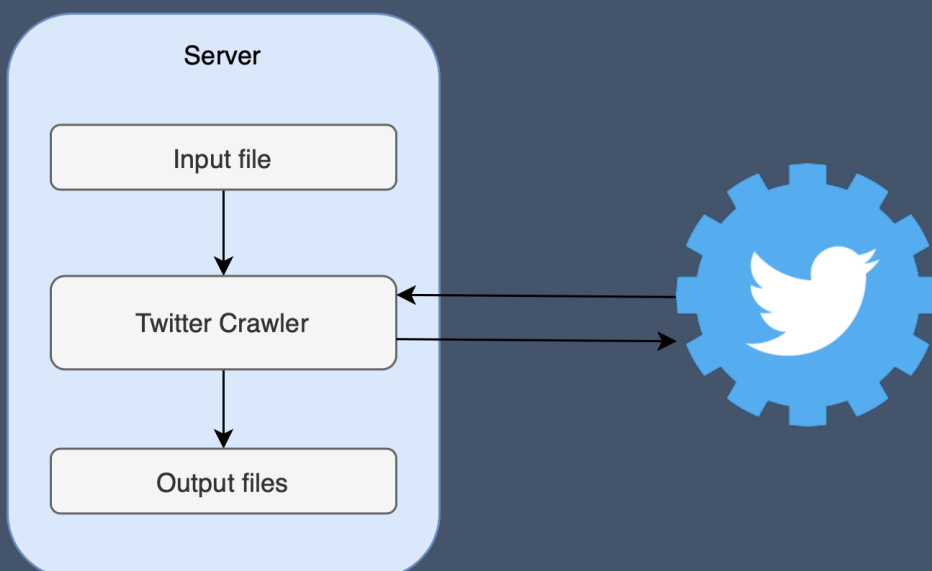email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

TASK 3.3 – Twitter Crawler

The Twitter Crawler searches through the stored content, and it identifies any occurrence of the company's sensitive data, producing a list of keywords and their occurrences that is then exported in a CSV file.

Server

Input file

↓

Twitter Crawler

↓

Output files

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

TASK 3.3 – Dark Web Crawler

The crawler for Dark Web was developed in Python and it uses Tor Network which is a free open-source software for enabling anonymous communication. The Dark Web crawler searches each .onion URL through the Tor network and gets all text context of each URL and check all internal and external URLs of the target domain. Furthermore, it identifies all the internal and external links existing in every page and is able to visit them repeating the process.

Moreover, all the content of all the visited websites is stored in a content.csv file for further analysis in case new keywords are added and then, an output file containing all the retrieved data is produced.
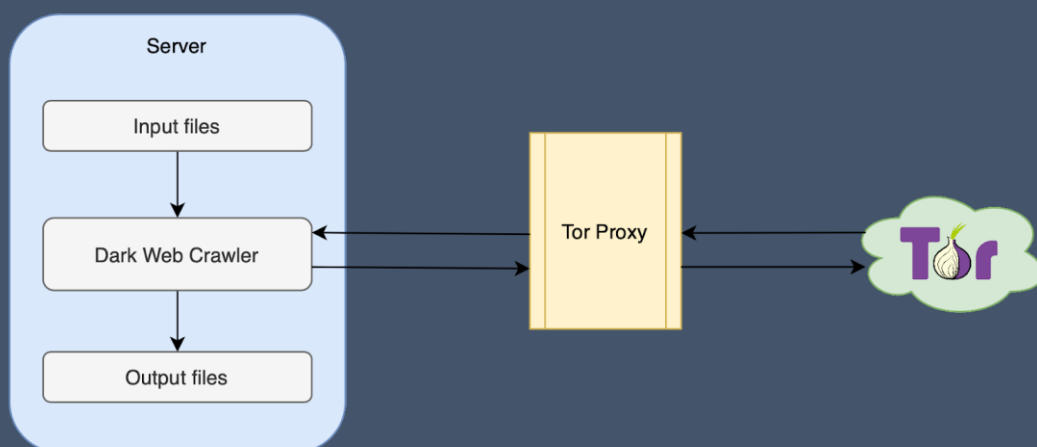
CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

SEVENTH SECONDO NEWSLETTER!

Future Activities

In the next months researchers will work on the following deliverables:

- D5.3: Decision Support for Cyber Insurance
- D6.1: Platform Integration
- D6.2: Platform Assessment

CONTACT US HERE

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
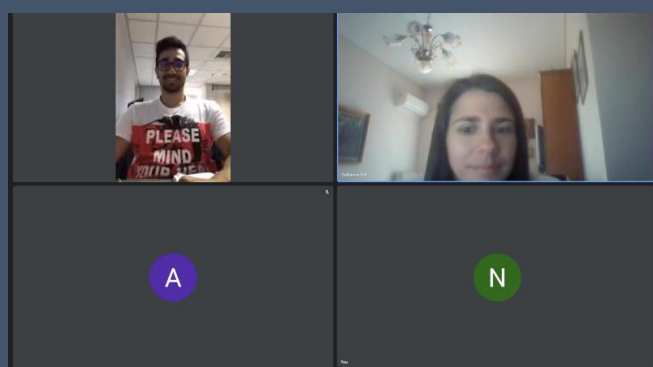EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

SECONDO News

SECONDO Newsletter Issue 6

Researchers are Working on Crawlers Development for BDCPM Module

A SECONDO Training Seminar on CROMAR Employees

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

SECONDO Newsletter
Issue 7 | JULY 2021

SECONDO News

SECONDO co-organizing the 1st Summer School

SECONDO researchers made progress on Task 5.2 & Task 3.3

Crawler: A Useful Tool of The Project Has Been Completed

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
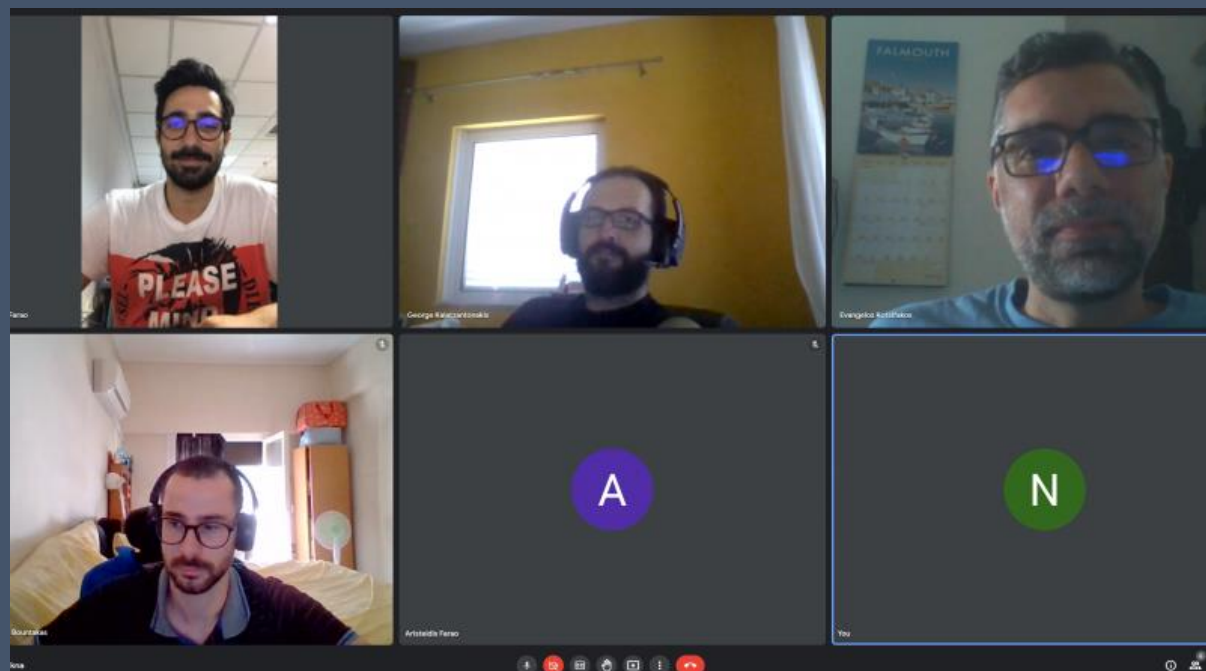EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

SECONDO News

SECONDO Researchers had a Virtual Meeting to Discuss Technical Issues Regarding the D3.2

PROJECT COORDINATION

Prof. Christos Xenakis: School of Information and Communication Technologies Department of Digital Systems University of Piraeus Karaoli and Dimitriou 80,PC 18534, Piraeus, Greece

Tel: +30 210 4142776
email: xenakis@unipi.gr

PROJECT DETAILS
Project number: 823997
Project Website: secondo-h2020.eu
Project start: 1st January 2019
Duration: 60 Months
Total cost: EUR 1 600 800
EC Contribution: EUR 1 600 800

Follow Us On

SECONDO

A Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era

FOLLOW US FOR OUR LATEST NEWS

VITIS US FOR OUR LATEST NEWS
https://secondo-h2020.eu/

SCAN ME

@H2020Secondo

@H2020Secondo
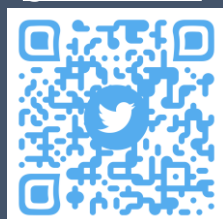
SECONDO Project

Secondo Project

UNIVERSITY of GREENWICH

UNIVERSITY OF SURREY

UNIVERSITY OF PIRAEUS

UBITECH
ubiquitous solutions

FOGUS
INNOVATIONS & SERVICES

CROMAR
INSURANCE BROKERS LTD

LS TECH
Insightful Analytics

Cyprus University of Technology

Follow Us On